

Appl. No 10/811,200

Amdt. December 7, 2004

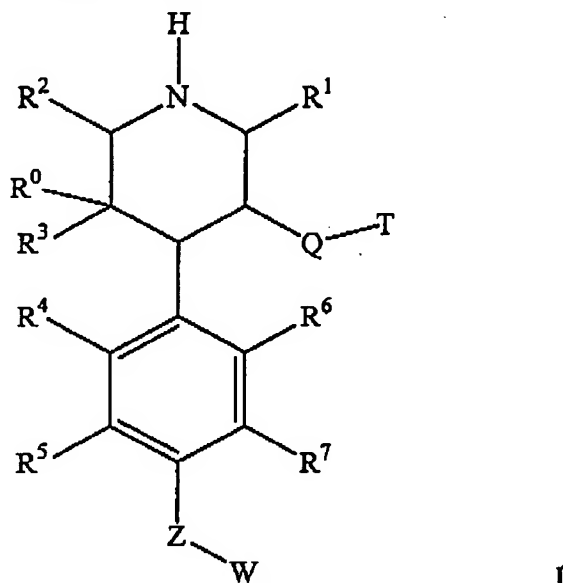
Reply to Office Action of November 11, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (currently amended): A compound of Formula I



or a pharmaceutically acceptable salt thereof, wherein

$R^1$  and  $R^2$  are independently hydrogen or unsubstituted  $C_1$ - $C_3$  alkyl;

$R^3$  is hydrogen, oxo, or thioxo;

$R^0$  is hydrogen or unsubstituted  $C_1$ - $C_3$  alkyl provided that when  $R^3$  is oxo or thioxo  $R^0$  is absent;

$R^4$ ,  $R^5$ ,  $R^6$ , and  $R^7$  are independently hydrogen, halogen, carboxyl, substituted or unsubstituted  $C_1$ - $C_3$  alkoxy, or substituted or unsubstituted  $C_1$ - $C_3$  alkyl;

Q is  $-NR^8-(CH_2)_{0-6}$ ,  $-NR^9-C(O)-(CH_2)_{0-6}$ , wherein 1 to 3 nonadjacent methylene units are replaced with O,  $NR^{10}$ , S or a combination thereof;

T is substituted or unsubstituted aryl, ~~substituted or unsubstituted heteroaryl, or substituted or unsubstituted  $C_1$ - $C_{12}$  alkyl;~~

W is absent, substituted or unsubstituted aryl, ~~or substituted or unsubstituted heteroaryl;~~

Z is  $-(CH_2)_{0-6}$ -cycloalkylene- $(CH_2)_{0-6}$ - wherein 0 to 6 nonadjacent methylene units are replaced with O,  $NR^{12}$ , S or a combination thereof,

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

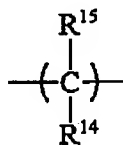
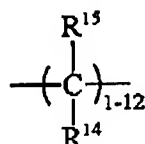
-(CH<sub>2</sub>)<sub>0-6</sub>-heterocycloalkylene-(CH<sub>2</sub>)<sub>0-6</sub>- wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>12</sup>, S or a combination thereof,

-(CH<sub>2</sub>)<sub>0-6</sub>-arylene-(CH<sub>2</sub>)<sub>0-6</sub>- wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>12</sup>, S or a combination thereof,

-(CH<sub>2</sub>)<sub>0-6</sub>-heteroarylene-(CH<sub>2</sub>)<sub>0-6</sub>- wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>12</sup>, S or a combination thereof,

-(CH<sub>2</sub>)<sub>0-6</sub>-C(O)-NR<sup>11</sup>-(CH<sub>2</sub>)<sub>0-6</sub>- wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>12</sup>, S or a combination thereof,

-(CH<sub>2</sub>)<sub>0-6</sub>-NR<sup>11</sup>-C(O)-(CH<sub>2</sub>)<sub>0-6</sub>- wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>12</sup>, S or a combination thereof,



wherein 1 to 6 nonadjacent units are replaced with O, NR<sup>12</sup>, S or a combination thereof, or

Z, when W is absent, is hydroxyl, substituted or unsubstituted C<sub>1</sub>-C<sub>12</sub> alkyl wherein 1 to 6 nonadjacent methylene units are replaced with O, NR<sup>16</sup>, S or a combination thereof, or -(CH<sub>2</sub>)<sub>0-6</sub>-C(O)-NR<sup>16</sup>-(CH<sub>2</sub>)<sub>0-5</sub>-CH<sub>3</sub> wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>16</sup>, S or a combination thereof;

R<sup>8</sup>, R<sup>9</sup> and R<sup>10</sup> are independently hydrogen or substituted or unsubstituted C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>11</sup> and R<sup>12</sup> are independently substituted or unsubstituted C<sub>1</sub>-C<sub>3</sub> alkyl; and

R<sup>14</sup> and R<sup>15</sup> are independently hydrogen, substituted or unsubstituted C<sub>1</sub>-C<sub>3</sub> alkoxy,

substituted or unsubstituted C<sub>1</sub>-C<sub>3</sub> alkyl, unsubstituted C<sub>1</sub>-C<sub>12</sub> alkyl wherein 1 to 6 nonadjacent methylene units are replaced with O, or R<sup>14</sup> and R<sup>15</sup> together with the carbon to which they are attached form a 3- to 6-membered cycloalkylene or heterocycloalkylene ring; and

R<sup>16</sup> is substituted or unsubstituted C<sub>1</sub>-C<sub>3</sub> alkyl or hydrogen.

Appl. No 10/811,200  
Amdt. December 7, 2004  
Reply to Office Action of November 11, 2004

2. (original): A compound of claim 1, wherein  $R^1$  and  $R^2$  are hydrogen and  $R^3$  is oxo.
3. (original): A compound of claim 1, wherein  $R^4$ ,  $R^5$ ,  $R^6$ , and  $R^7$  are independently hydrogen, halogen, carboxyl,  $C_1$ - $C_3$  alkoxy, or  $C_1$ - $C_3$  alkyl.
4. (original): A compound of claim 3, wherein  $R^4$ ,  $R^5$ ,  $R^6$ , and  $R^7$  are independently hydrogen, chlorine, fluorine, carboxyl, methoxy or methyl.
5. (original): A compound of claim 1, wherein  $R^4$ ,  $R^6$ , and  $R^7$  are hydrogen and  $R^5$  is chlorine, fluorine, carboxyl, methoxy or methyl.
6. (original): A compound of claim 1, wherein Q is  $-NR^8-(CH_2)_{0-6}$ , or  $-NR^9-C(O)-(CH_2)_{0-6}$  wherein  $R^8$  and  $R^9$  are independently unsubstituted  $C_1$ - $C_3$  alkyl.
7. (original): A compound of claim 6, wherein Q is  $-NH-(CH_2)_{0-6}$ , or  $-NH-C(O)-(CH_2)_{0-6}$ .
8. (original): A compound of claim 7, wherein Q is  $-NH-CH_2$ -,  $-NH-CH_2-CH_2$ -,  $-NH-CH_2-CH_2-O-CH_2$ -, or  $-NH-CH_2-CH_2-O$ -.
9. (original): A compound of claim 1, wherein T is unsubstituted aryl.
10. (currently amended): A compound of claim 1, wherein T is unsubstituted phenyl, naphthyl, biphenyl, ~~1,2,3,4-tetrahydroquinoliny~~l, 1,2,3,4-tetrahydro-naphthyl, 1,2,3,4-tetrahydroisoquinoliny, 1,2,3,4-tetrahydroquinoxaliny, or 1,2,3,4-tetrahydroindoly.
11. (currently amended): A compound of claim 10, wherein T is 2-naphthyl ~~[[,]]~~ or biphen-4-yl, ~~1,2,3,4-tetrahydroquinolin-6-yl, or 1,2,3,4-tetrahydroquinolin-7-yl.~~
12. (original): A compound of claim 1, wherein T is substituted aryl

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

13. (currently amended): A compound of claim 12, wherein T is substituted phenyl, naphthyl, biphenyl, ~~1,2,3,4-tetrahydroquinoliny~~, ~~2-oxo-1,2,3,4-tetrahydroquinoliny~~, 1,2,3,4-tetrahydro-naphthyl, 1,2,3,4-tetrahydroisoquinoliny, 1,2,3,4-tetrahydroquinoxaliny, 1,2,3,4-tetrahydroindolyl, 2,3-dihydroindolyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, or 3,4-dihydro-2H-benzo[1,4]oxazinyl.

14. (original): A compound of claim 12, wherein T is phenyl substituted from 1 to 5 times with  $C_1-C_6$  alkyl, halo,  $C_1-C_6$  alkyl wherein 1 to 3 nonadjacent carbons are replaced with O,  $NR^{16}$ , S or a combination thereof,  $(C_1-C_6 \text{ alkyl})-C(O)-O-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-O-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-C(O)-N(R^{16})$ ,  $(C_1-C_6 \text{ alkyl})-NR^{16}-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ , trifluoromethyl,  $(C_1-C_6 \text{ alkyl})-C(O)-NR^{16}-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $HO-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-S(O)_2-NR^{16}-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-NR^{16}-S(O)_2-(C_1-C_6 \text{ alkyl})_{0-1}$ , or  $HO-(C_1-C_6 \text{ alkyl})$ , wherein each  $R^{16}$  is independently H or  $C_1-C_6$  alkyl or a combination thereof.

15. (original): A compound of claim 14, wherein T is 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2-chloro-4-fluorophenyl, 4-fluoro-2-trifluoromethylphenyl, 2-(2-acetoxy-ethyl)-phenyl, 3-(2-acetoxy-ethyl)-phenyl, 4-(2-acetoxy-ethyl)-phenyl, N,N-dimethyl-benzamide-4-yl, or 4-acetylaminophenyl.

16. (original): A compound of claim 1, wherein T is biphenyl substituted from 1 to 9 times with  $C_1-C_6$  alkyl, halo,  $C_1-C_6$  alkyl wherein 1 to 3 nonadjacent carbons are replaced with O,  $NR^{16}$ , S or a combination thereof,  $(C_1-C_6 \text{ alkyl})-C(O)-O-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-O-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-C(O)-N(R^{16})$ ,  $(C_1-C_6 \text{ alkyl})-NR^{16}-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ , trifluoromethyl,  $(C_1-C_6 \text{ alkyl})-C(O)-NR^{16}-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $HO-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-S(O)_2-NR^{16}-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-NR^{16}-S(O)_2-(C_1-C_6 \text{ alkyl})_{0-1}$ , or  $HO-(C_1-C_6 \text{ alkyl})$ .

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

$S(O)_2-(C_1-C_6 \text{ alkyl})_{0-1}$ , or  $HO-(C_1-C_6 \text{ alkyl})$ , wherein each  $R^{16}$  is independently H or  $C_1-C_6$  alkyl or a combination thereof.

17. (currently amended): A compound of claim 1, wherein T is naphthyl ~~[[,]] or 1,2,3,4-tetrahydroquinolinyl, 2-oxo-1,2,3,4-tetrahydroquinolinyl, 1,2,3,4-tetrahydronaphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxalinyl, 3,4-dihydro-2H-benzo[1,4]oxazinyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, 2,3-dihydroindolyl, or 1,2,3,4-tetrahydroindolyl~~ substituted from 1 to 7 times with,  $C_1-C_6$  alkyl, halo, hydroxy, oxo,  $C_1-C_6$  alkyl wherein 1 to 3 nonadjacent carbons are replaced with O,  $NR^{16}$ , S or a combination thereof,  $(C_1-C_6 \text{ alkyl})-C(O)-O-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-O-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-C(O)-N(R^{16})$ ,  $(C_1-C_6 \text{ alkyl})-NR^{16}-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ , trifluoromethyl,  $(C_1-C_6 \text{ alkyl})-C(O)-NR^{16}-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $HO-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-C(O)-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-S(O)_2-NR^{16}-(C_1-C_6 \text{ alkyl})_{0-1}$ ,  $(C_1-C_6 \text{ alkyl})-NR^{16}-S(O)_2-(C_1-C_6 \text{ alkyl})_{0-1}$ , or  $HO-(C_1-C_6 \text{ alkyl})$ , wherein each  $R^{16}$  is independently H or  $C_1-C_6$  alkyl or a combination thereof.

18. (currently amended): A compound of claim 17, wherein T is 6-methoxy-2-naphthyl, 7-methoxy-2-naphthyl, 6-methyl-2-naphthyl, 6-hydroxy-2-naphthyl, 7-methyl-2-naphthyl, 6-trifluoromethyl-2-naphthyl, 7-trifluoromethyl-2-naphthyl, 6-fluoro-2-naphthyl, 7-fluoro-2-naphthyl, 6-chloro-2-naphthyl, 7-chloro-2-naphthyl, 6-(2-acetoxy-ethyl)-2-naphthyl ~~[[,]] or 7-(2-acetoxy-ethyl)-2-naphthyl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetyl-3,4-dihydro-2H-quinolin-6-yl, 1-(4-thiazolylmethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-7-yl, or 1-(2-acetoxy-ethyl)-3,4-dihydro-2H-quinolin-7-yl.~~

19. (currently amended): A compound of claim 1, wherein T is unsubstituted naphthyl, unsubstituted 4-trifluoromethylphenyl, ~~unsubstituted 1,2,3,4-tetrahydroquinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-5-indolyl, 1-(2-acetylaminooethyl)-5-indolyl, 1-(3-methoxypropyl)-5-indolyl, 1-acetamidyl-5-indolyl, 1-(2-acetoxyethyl)-5-indolyl, 1-(3-methoxy-3-oxopropyl)-5-indolyl, 1-(2-methoxy-2-oxoethyl)-5-indolyl, 1-(2-ethoxy-2-oxoethyl)-6-indolyl, 1-(2-acetylaminooethyl)-6-indolyl, 1-(3-methoxypropyl)-6-indolyl, 1-acetamidyl-6-indolyl, 1-(2-acetoxyethyl)-6-indolyl, 1-(3-methoxy-3-oxopropyl)-6-indolyl, 1-(2-methoxy-2-oxoethyl)-6-indolyl, 4-(2-ethoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 3-oxo-3,4-dihydro-2H-~~

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

benzo[1,4]oxazin-6-yl, 4-(3-methoxypropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetylaminoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-acetamidyl-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetoxyethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxy-3-oxopropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl [[,]] or 4-(2-methoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-hydroxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(4-thiazolylmethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetylaminoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminoethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-7-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-6-yl, 1-(2-acetylaminoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-6-yl or 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-7-yl.

20-26. (canceled)

27. (currently amended): A compound of claim 1, wherein T is N-substituted-1,2,3,4-tetrahydroquinolin-7-yl, N-substituted-1,2,3,4-tetrahydroquinolin-6-yl, N-substituted-2-oxo-

Appl. No 10/811,200

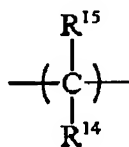
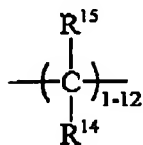
Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

~~1,2,3,4 tetrahydroquinolin-7-yl, N-substituted 2-oxo-1,2,3,4 tetrahydroquinolin-6-yl, N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-7-yl, N-substituted 2-oxo-4a,8a-dihydro-2H-chromen-7-yl, N-substituted 2,3-dihydroindol-6-yl, N-substituted 2-oxo-2,3-dihydroindol-6-yl, N-substituted 2,3-dihydroindol-5-yl [L]] or N-substituted 2-oxo-2,3-dihydroindol-5-yl, N-substituted 6-indolyl or N-substituted 5-indolyl.~~

28. (original): A compound of claim 27, wherein the N-substituent is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR<sup>16</sup>, S or a combination thereof, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-O-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-O-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-N(R<sup>16</sup>)-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-NR<sup>16</sup>-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, trifluoromethyl, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-NR<sup>16</sup>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, HO-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-S(O)<sub>2</sub>-NR<sup>16</sup>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-NR<sup>16</sup>-S(O)<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, or HO-(C<sub>1</sub>-C<sub>6</sub> alkyl), wherein each R<sup>16</sup> is independently H or C<sub>1</sub>-C<sub>6</sub> alkyl.

29. (original): A compound of claim 1, wherein Z is



wherein 1 to 6 nonadjacent units are replaced with O.

30. (original): A compound of claim 1, wherein R<sup>14</sup> and R<sup>15</sup> are hydrogen.

31. (original): A compound of claim 1, wherein Z is

-(CH<sub>2</sub>)<sub>0-6</sub>-C(O)-NR<sup>11</sup>-(CH<sub>2</sub>)<sub>0-6</sub>- wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>12</sup>, S or a combination thereof; or  
 -(CH<sub>2</sub>)<sub>0-6</sub>-NR<sup>11</sup>-(C(O)-CH<sub>2</sub>)<sub>0-6</sub>- wherein 0 to 6 nonadjacent methylene units are replaced with O, NR<sup>12</sup>, S or a combination thereof; and

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

R<sup>11</sup> and R<sup>12</sup> are as defined in claim 1.

32. (original): A compound of claim 29, wherein Z is  $-\text{O}-(\text{CH}_2)_{2-3}-\text{O}-(\text{CH}_2)_{1-2}-$ ,  $-\text{O}-(\text{CH}_2)_{3-4}-\text{O}-$ ,  $\text{O}-(\text{CH}_2)_{1-2}-$ ,  $-(\text{CH}_2)-\text{O}-(\text{CH}_2)_{2-3}-\text{O}-(\text{CH}_2)_{0-1}-$ ,  $-\text{C}(\text{O})-\text{NR}^{11}-(\text{CH}_2)_2-$ ,  $-\text{C}(\text{O})-\text{NR}^{11}-(\text{CH}_2)_2-\text{O}-$ , or  $-\text{O}-(\text{CH}_2)_3-\text{S}-(\text{CH}_2)_1-$ ; and

R<sup>11</sup> is as defined in claim 1.

33. (canceled)

34. (original): A compound of claim 1, wherein Z is  $-\text{O}-(\text{CH}_2)_3-\text{O}-(\text{CH}_2)-$ .

35. (original): A compound of claim 1, wherein W is unsubstituted or substituted phenyl.

36. (original): A compound of claim 1, wherein W is 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2-chloro-4-fluorophenyl, 4-fluoro-2-trifluoromethylphenyl, 2-(2-acetoxy-ethyl)-phenyl, 3-(2-acetoxy-ethyl)-phenyl, 4-(2-acetoxy-ethyl)-phenyl, N,N-dimethyl-benzamide-4-yl, or 4-acetylaminophenyl.

37. (original): A compound of claim 1, wherein W is 2-methoxyphenyl.

38-40. (canceled)

41. (original): A compound of claim 1, wherein Z is  $-\text{O}-(\text{CH}_2)_3-\text{O}-\text{CH}_2-$ , and W is 2-methoxyphenyl.

42. (currently amended): A compound of claim 1, wherein Q is  $-\text{NH}-\text{CH}_2-$  or  $-\text{NR}^8-\text{CH}_2-$ ; T is unsubstituted naphthyl, unsubstituted 4-trifluoromethylphenyl, ~~unsubstituted 1,2,3,4-~~



Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

~~tetrahydroquinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-5-indolyl, 1-(2-acetylaminoethyl)-5-indolyl, 1-(3-methoxypropyl)-5-indolyl, 1-acetamidyl-5-indolyl, 1-(2-acetoxyethyl)-5-indolyl, 1-(3-methoxy-3-oxopropyl)-5-indolyl, 1-(2-methoxy-2-oxoethyl)-5-indolyl, 1-(2-ethoxy-2-oxoethyl)-6-indolyl, 1-(2-acetylaminoethyl)-6-indolyl, 1-(3-methoxypropyl)-6-indolyl, 1-acetamidyl-6-indolyl, 1-(2-acetoxyethyl)-6-indolyl, 1-(3-methoxy-3-oxopropyl)-6-indolyl, 1-(2-methoxy-2-oxoethyl)-6-indolyl, 4-(2-ethoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxypropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetylaminoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-acetamidyl-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetoxyethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxy-3-oxopropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl [[L]] or 4-(2-methoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-hydroxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(4-thiazolylmethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetylaminoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminoethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-7-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-6-yl, 1-(2-acetylaminoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-~~

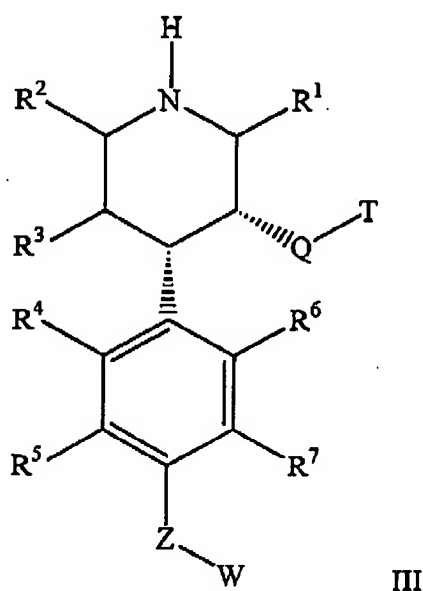
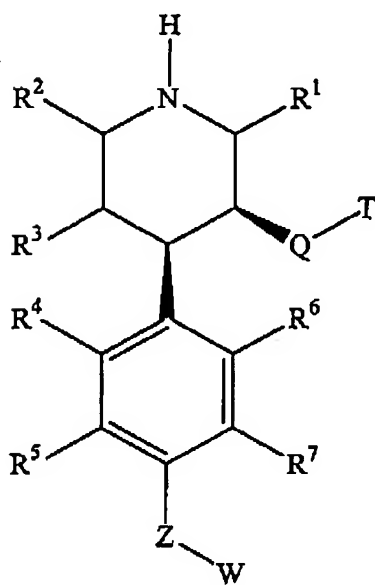
Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

~~acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-6-yl or 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-7-yl~~; and R<sup>8</sup> is C<sub>1</sub>-C<sub>3</sub> alkyl.

43. (original): A compound of claim 1 having the formula II or III

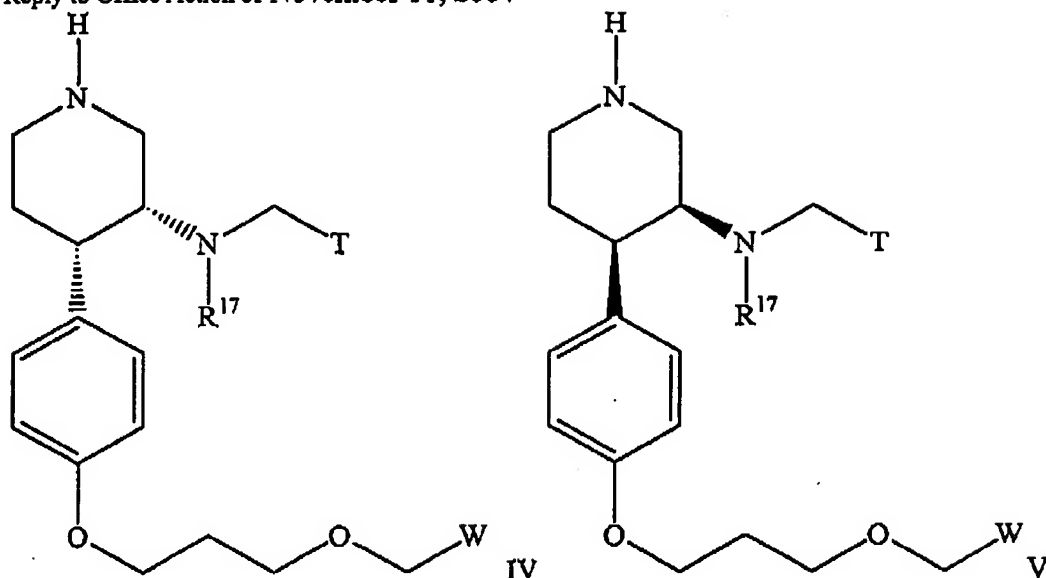


or a pharmaceutically acceptable salt thereof, wherein

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, Q, T, Z, and W are as defined above in claim 1.

44. (currently amended): A compound of Formula IV or V

Appl. No 10/811,200  
 Amdt. December 7, 2004  
 Reply to Office Action of November 11, 2004



or a pharmaceutically acceptable salt thereof, wherein

T is substituted or unsubstituted aryl, ~~or substituted or unsubstituted heteroaryl;~~

W is substituted or unsubstituted aryl, ~~or substituted or unsubstituted heteroaryl;~~ and

R<sup>17</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl.

45. (original): A compound of claim 44, wherein T is substituted aryl.

46. (currently amended): A compound of claim 45, wherein T is substituted phenyl, naphthyl, biphenyl, 1,2,3,4-tetrahydroquinolinyl, ~~2-oxo-1,2,3,4-tetrahydroquinolinyl~~, 1,2,3,4-tetrahydronaphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxalinyl, 1,2,3,4-tetrahydroindolyl, 2,3-dihydroindolyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, or 3,4-dihydro-2H-benzo[1,4]oxazinyl.

47. (currently amended): A compound of claim 44, wherein T is naphthyl ~~[[,]]~~ or ~~1,2,3,4-tetrahydroquinolinyl, 2-oxo-1,2,3,4-tetrahydroquinolinyl, 1,2,3,4-tetrahydronaphthyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinoxalinyl, 3,4-dihydro-2H-benzo[1,4]oxazinyl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazinyl, 2,3-dihydroindolyl, or 1,2,3,4-tetrahydroindolyl~~ substituted from 1 to 7 times with, C<sub>1</sub>-C<sub>6</sub> alkyl, halo, hydroxy, oxo, C<sub>1</sub>-C<sub>6</sub> alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR<sup>16</sup>, S or a combination thereof, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-O-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-O-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-N(R<sup>16</sup>)-, (C<sub>1</sub>-C<sub>6</sub>

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

alkyl)-NR<sup>16</sup>-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, trifluoromethyl, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-NR<sup>16</sup>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, HO-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-S(O)<sub>2</sub>-NR<sup>16</sup>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-NR<sup>16</sup>-S(O)<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, or HO-(C<sub>1</sub>-C<sub>6</sub> alkyl), wherein each R<sup>16</sup> is independently H or C<sub>1</sub>-C<sub>6</sub> alkyl or a combination thereof.

48. (currently amended): A compound of claim 44, wherein T is unsubstituted naphthyl, unsubstituted 4-trifluoromethylphenyl, ~~unsubstituted 1,2,3,4-tetrahydroquinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-5-indolyl, 1-(2-acetylaminooethyl)-5-indolyl, 1-(3-methoxypropyl)-5-indolyl, 1-acetamidyl-5-indolyl, 1-(2-acetoxyethyl)-5-indolyl, 1-(3-methoxy-3-oxopropyl)-5-indolyl, 1-(2-methoxy-2-oxoethyl)-5-indolyl, 1-(2-ethoxy-2-oxoethyl)-6-indolyl, 1-(2-acetylaminooethyl)-6-indolyl, 1-(3-methoxypropyl)-6-indolyl, 1-acetamidyl-6-indolyl, 1-(2-acetoxyethyl)-6-indolyl, 1-(3-methoxy-3-oxopropyl)-6-indolyl, 1-(2-methoxy-2-oxoethyl)-6-indolyl, 4-(2-ethoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxypropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetylaminooethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-acetamidyl-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(2-acetoxyethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 4-(3-methoxy-3-oxopropyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl [[,]] or 4-(2-methoxy-2-oxoethyl)-3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-hydroxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(4-thiazolylmethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-acetamidyl-3,4-dihydro-2H-quinolin-6-yl, 1-acetamidyl-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetylaminooethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminooethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-3,4-dihydro-2H-quinolin-6-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-7-yl, 2-oxo-1,2,3,4-tetrahydro-2H-quinolin-6-yl, 1-(2-acetylaminooethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(3-~~

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

~~methoxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetylaminooethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxy-3-oxopropyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(3-methoxypropyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-methoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-ethoxy-2-oxoethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-6-yl, 1-(2-acetoxyethyl)-2-oxo-3,4-dihydro-2H-quinolin-7-yl, 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-6-yl or 1-(2-acetoxyethyl)-3,4-dihydro-2H-quinolin-7-yl.~~

49-50. (canceled)

51. (currently amended): A compound of claim 44, wherein T is ~~N-substituted 1,2,3,4-tetrahydroquinolin-7-yl, N-substituted 1,2,3,4-tetrahydroquinolin-6-yl, N-substituted 2-oxo-1,2,3,4-tetrahydroquinolin-7-yl, N-substituted 2-oxo-1,2,3,4-tetrahydroquinolin-6-yl, N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-6-yl, N-substituted 3-oxo-3,4-dihydro-2H-benzo[1,4]oxazin-7-yl, N-substituted 2-oxo-4a,8a-dihydro-2H-chromen-7-yl, N-substituted 2,3-dihydroindol-6-yl, N-substituted 2-oxo-2,3-dihydroindol-6-yl, N-substituted 2,3-dihydroindol-5-yl~~ ~~[[,]]~~ ~~or N-substituted 2-oxo-2,3-dihydroindol-5-yl, N-substituted 6-indolyl or N-substituted 5-indolyl.~~

52. (oOriginal): A compound of claim 51, wherein the N-substituent is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkyl wherein 1 to 3 nonadjacent carbons are replaced with O, NR<sup>16</sup>, S or a combination thereof, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-O-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-O-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-N(R<sup>16</sup>)-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-NR<sup>16</sup>-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, trifluoromethyl, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-NR<sup>16</sup>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, HO-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-C(O)-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-S(O)<sub>2</sub>-NR<sup>16</sup>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, (C<sub>1</sub>-C<sub>6</sub> alkyl)-NR<sup>16</sup>-S(O)<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>0-1</sub>-, or HO-(C<sub>1</sub>-C<sub>6</sub> alkyl), wherein each R<sup>16</sup> is independently H or C<sub>1</sub>-C<sub>6</sub> alkyl.

53. (original): A compound of claim 44, wherein W is unsubstituted or substituted phenyl.

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

54. (original): A compound of claim 53, wherein W is 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2-chloro-4-fluorophenyl, 4-fluoro-2-trifluoromethylphenyl, 2-(2-acetoxy-ethyl)-phenyl, 3-(2-acetoxy-ethyl)-phenyl, 4-(2-acetoxy-ethyl)-phenyl, N,N-dimethyl-benzamide-4-yl, or 4-acetylamino-phenyl.

55. (original): A compound of claim 44, wherein W is 2-methoxyphenyl.

56. (currently amended): A compound of claim 44, wherein T is unsubstituted naphthyl ~~[[,]] or unsubstituted 4-trifluoromethylphenyl, unsubstituted 1,2,3,4-tetrahydroquinolin-7-yl, 1-(3-hydroxypropyl)-3,4-dihydro-2H-quinolin-7-yl, or 1-(2-acetoxy-ethyl)-3,4-dihydro-2H-quinolin-7-yl~~ and W is 2-methoxyphenyl.

57. (currently amended): The compound

(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-naphthalen-2-ylmethyl-amine,

(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-(6-methoxy-naphthalen-2-ylmethyl)-amine,

~~(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-quinolin-7-ylmethyl-amine,~~

~~(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-(1,2,3,4-tetrahydro-quinolin-7-ylmethyl)-amine,~~

(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-methyl-naphthalen-2-ylmethyl-amine,

6-[(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalen-2-ol,

~~benzofuran-5-ylmethyl-(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amine,~~

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

~~(1H-indol-5-ylmethyl)-(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amine;~~

6-[(4-[3-(2-methoxy-benzyloxy)-propoxyl]-phenyl)-piperidin-3-ylamino)-methyl]-naphthalene-1-carboxylic acid methyl ester [[:]] .

6-[(4-[4-(2-methoxy-benzyloxy)-propoxyl]-phenyl)-piperidin-3-ylamino)-methyl]-naphthalene-1-carboxylic acid [[:]] .

naphthalene-1-carboxylic acid (4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amide [[:]] .

6-[(4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalene-2-carboxylic acid methyl ester [[:]] .

~~(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-quinolin-7-ylmethyl-amine;~~

6-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalene-2-carboxylic acid methyl ester [[:]] .

6-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-naphthalene-2-carboxylic acid [[:]] .

~~6-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-pyridine-2-carboxylic acid methyl ester;~~

naphthalene-2-sulfonic acid (4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amide [[:]] .

(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-(4-fluoro-3-trifluoromethyl-benzyl)-amine [[:]] .

{3-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-phenoxy}-acetic acid methyl ester [[:]] .

1-(2-{3-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-phenoxy}-ethyl)-pyrrolidine-2,5-dione [[:]] , or

1-(2-{3-[(4-{4-[3-(2-fluoro-benzyloxy)-propoxy]-phenyl}-piperidin-3-ylamino)-methyl]-phenoxy}-ethyl)-pyrrolidine-2-one [[:]]

~~3-[(1-dimethylcarbamoylmethyl-1,2,3,4-tetrahydro-quinoline-7-carbonyl)-amino]-4-{4-[3-(2-methoxy-benzyloxy)-propoxy]-phenyl}-piperidine-1-carboxylic acid tert-butyl ester; or~~

Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

~~[1-(2-dimethylamino-ethyl)-1,2,3,4-tetrahydro-quinolin-7-ylmethyl]-4-{4-[3-(2-methoxybenzyloxy)-propoxy]-phenyl}-piperidin-3-yl)-amine.~~

58. (currently amended): A pharmaceutical composition comprising a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67, admixed with a pharmaceutically acceptable carrier, diluent, or excipient.

59. (withdrawn): A method of inhibiting renin in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.

60. (withdrawn): A method of treating or preventing hypertension in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.

61. (withdrawn): A method of treating or preventing congestive heart failure in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.

62. (withdrawn): A method of treating or preventing stroke in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.

63. (withdrawn): A method of treating or preventing myocardial infarction in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.

64. (withdrawn): A method of treating or preventing glaucoma in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.



Appl. No 10/811,200

Amdt. December 7, 2004

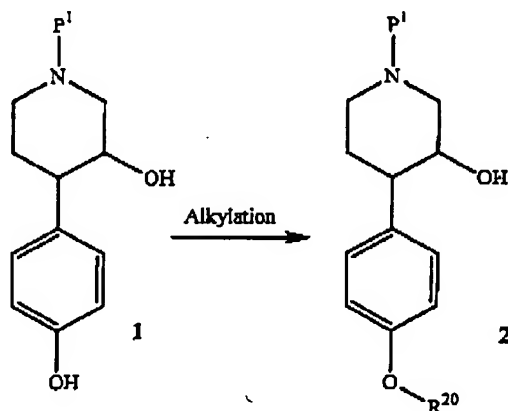
Reply to Office Action of November 11, 2004

65. (withdrawn): A method of providing end organ protection in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.

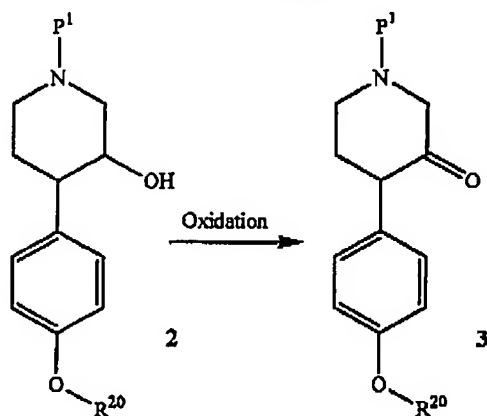
66. (withdrawn): A method of treating or preventing hyperaldosteronism in a mammal comprising administering to the mammal in need thereof an effective amount of a compound of any of claims ~~1-57~~ 1-19, 27-32, 34-37, 41-48, 51-58, or 67.

67. (original): A process for preparing a compound of claim I comprising the steps of:

a) alkylation of piperidine **1** to afford the intermediate **2** wherein  $R^{20}$ , along with the oxygen to which it is attached, is equivalent to  $-Z-W$  as defined in claim 1;



b) oxidation of **2** to afford the piperidinone intermediate **3**;

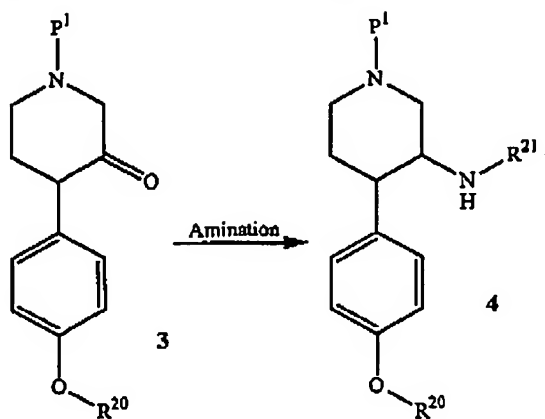


Appl. No 10/811,200

Amdt. December 7, 2004

Reply to Office Action of November 11, 2004

c) contacting 3 with a suitable amine to afford the intermediate 4, wherein  $R^{21}$ , along with the nitrogen to which it is attached is equivalent to -Q-T as defined in claim 1;



d) deprotection of 4 to afford 5

